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- (71) Applicants (for all designated States except US): AVEN-  
TIS PASTEUR, INC. [US/US]; Discovery Drive, Swift-  
water, PA 18370 (US). THERION BIOLOGICS, INC.  
[US/US]; 76 Rogers Street, Boston, MA 02142 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): PARRINGTON,  
Mark [CA/CA]; 1755 Steeles Avenue, Toronto, On-  
tario M2R 3T4 (CA). BERINSTEIN, Neil [CA/CA];  
1755 Steeles Avenue, Toronto, Ontario M2R3T4 (CA).  
TARTAGLIA, James, T. [CA/CA]; 1755 Steeles Avenue,  
Toronto, Ontario M2R 3T4 (CA). PANICALLI, Dennis  
[US/US]; 76 Rogers Street, Boston, MA 02142 (US).  
GRITZ, Linda [US/US]; 76 Rogers Street, Boston, MA  
02142 (US).
- (74) Agent: HALLORAN, J., Patrick; Aventis Pasteur, Inc.,  
Discovery Drive, Swiftwater, PA 18370 (US).
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(54) Title: MODIFIED KSA AND USES THEREOF

### A. Amino Acid Sequence Comparison of "Wild-Type KSA" (1) and Modified KSA (2)

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1 MAPPQVLAFGLLLAAATATFAAAQEECVCENYKLAVNCFVNNRQCQCTSVGAQNTVIC
2 MAPPQVLAFGLLLAAATATFAAAQEECVCENYKLAVNCFVNNRQCQCTSVGAQNTVIC

1 SKLAAKCLVMKAEMNGSKLGRRAKPEGALQNNDDLGLYDPDCDESGLFKAKQCNSTCWC
2 SKLAAKCLVMKAEMNGSKLGRRAKPEGALQNNDDLGLYDPDCDESGLFKAKQCNSTCWC

1 VNTAGVRRTDKDTETCSERVITYWIIIEELKHKAREKPYDSKSLRTALQKEITTRYQLD
2 VNTAGVRRTDKDTETCSERVITYWIIIEELKHKAREKPYDSKSLRTALQKEITTRYQLD

1 PKFITSILYENNVITIDLQNSSQKTQNDVDIADVAYYFEKDVKGESLFHSSKKMDLTVN
2 PKFITSILYENNVITIDLQNSSQKTQNDVDIADVAYYFEKDVKGESLFHSSKKMDLTVN

1 GEQLDLDPGQTLIIYYVDEKAPEFSMQGLKAGVIAVIVVVVIAVVAGIVVLVISRKKRMA
2 GEQLDLDPGQTLIIYYVDEKAPEFSMQGLKAGVIAVIVVVVIAVVAGIVVLVISRKKRMA

1 KYEKAETIKEMGEMHRELNA
2 KYEKAETIKEMGEMHRELNA

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(57) Abstract: The present invention relates to a nucleic acid encoding a polypeptide and the use of the nucleic acid or polypeptide in preventing and/or treating cancer. In particular, the invention relates to improved vectors for the insertion and expression of foreign genes encoding tumor antigens for use in immunotherapeutic treatment of cancer.

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